

Amendments to the Claims:

Please amend claims 1, 4, 7 and 9 as indicated below.

Please cancel claim 8 without prejudice.

Please add new claims 11-17 as present below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A microscope ~~having~~ comprising:
a light source that emits at least a first illuminating light beam that has a first wavelength and a second illuminating light beam that has a second wavelength, ~~and having~~;
an optical system for focusing the illuminating light beams onto a specimen, the first illuminating light beam defining a first focal plane and the second illuminating light beam defining a second focal plane, ~~wherein the spacing of the focal planes can be determined~~ having a spacing from each other; and
~~a means is provided~~ displacement device for performing a relative displacement, by an amount equal to the spacing, between the specimen and the focal plane defined by the second illuminating light beam; and
a scanning device for scanning the specimen with the first illuminating light beam in the first focal plane so as to provide a first partial image and for scanning the specimen with the second illuminating light beam in the second focal plane so as to provide a second partial image.

Claim 2 (original) The microscope as defined in Claim 1, further comprising an apparatus for superimposition of a first partial image generated with the first illuminating light beam and a second partial image generated with the second illuminating light beam.

Claim 3 (original): The microscope as defined in Claim 2, wherein the apparatus for superimposition is a PC.

Claim 4 (currently amended): The microscope as defined in Claim 1, ~~wherein the spacing can be determined~~ further comprising a spacing determination device for determining the spacing automatically.

Claim 5 (original): The microscope as defined in Claim 1, wherein the first and/or second partial images are three-dimensional partial images.

Claim 6 (original): The microscope as defined in Claim 1, wherein the first and/or second partial images are two-dimensional partial images.

Claim 7 (currently amended): The microscope as defined in Claim 1, ~~wherein further comprising a storage device for storing the a position of the first and/or the second focal plane can be stored.~~

Claim 8 (canceled)

Claim 9 (currently amended): A confocal scanning microscope ~~having comprising:~~
 a light source that emits at least a first illuminating light beam that has a first wavelength and a second illuminating light beam that has a second wavelength, ~~and~~
 ~~having:~~
 an optical system for focusing the illuminating light beams onto a specimen, the first illuminating light beam defining a first focal plane and the second illuminating light beam defining a second focal plane, ~~wherein the spacing of the focal planes can be determined~~ having a spacing from each other; and
 ~~a means is provided~~ displacement device for performing a relative displacement, by an amount equal to the spacing, between the specimen and the focal plane defined by the second illuminating light beam; and
 a scanning device for scanning the specimen with the first illuminating light beam in the first focal plane so as to provide a first partial image and for scanning the

specimen with the second illuminating light beam in the second focal plane so as to provide a second partial image.

Claim 10 (original) The microscope as defined in Claim 9, further comprising an apparatus for superimposition of a first partial image generated with the first illuminating light beam and a second partial image generated with the second illuminating light beam.

Claim 11 (new): The microscope as defined in Claim 10, wherein the apparatus for superimposition is a PC.

Claim 12 (new): The microscope as defined in Claim 9 further comprising a spacing determination device for determining the spacing automatically.

Claim 13 (new): The microscope as defined in Claim 9, wherein the first and/or second partial images are three-dimensional partial images.

Claim 14 (new): The microscope as defined in Claim 9, wherein the first and/or second partial images are two-dimensional partial images.

Claim 15 (new): The microscope as defined in Claim 9, further comprising a storage device for storing a position of the first and/or the second focal plane.

Claim 16 (new): The microscope as defined in Claim 9, wherein the displacement device is configured to perform the relative displacement in a time between the scanning the specimen with the first illuminating light beam in the first focal plane and the scanning the specimen with the second illuminating light beam in the second focal plane.

Claim 17 (new): The microscope as defined in Claim 1, wherein the displacement device is configured to perform the relative displacement in a time between the scanning the specimen with the first illuminating light beam in the first focal plane and the scanning the specimen with the second illuminating light beam in the second focal plane.